

Grain

ELEVATOR OPERATION AND MAINTENANCE

FEBRUARY
★ 1938 ★



Taking Nobody's Guess

There is no business involving so much hazard with so little compensation as the grain business, taken as a whole. These are, indeed, times when terminal elevator operators and grain men should be in counsel with their own individual minds, taking nobody's guess that certain things can't be done, or err by dismissing some thought or idea as trivial that would prove to be a vital and important factor if given careful consideration before casting into the discard as unworkable. Perhaps some worthy competitor is already reaping a margin of profit or saving on your same problem or idea. It stands all elevator operators well in hand to have the protection of modern cleaning equipment and use such machinery in a way that a profit is shown rather than a loss to absorb; not only strive to make the margin of profit but save the dollar you already have.

Robert Hunt, Port of Tacoma (Washington) Elevator

ON

To Kansas City
Convention —
March 27-30th

COVER

A talented artist's
conception of the
A. E. Staley Manu-
facturing Company
Elevator at Decatur,
Illinois

I WISH I'D THOUGHT OF THAT

Jimmy Watt imagined engines from a
kettle full of steam;

Now we have the C. N. Railway, all
because of Jimmy's dream.

Galileo dreamed of watches in a lamp
above a mat,

But all I seem to think of is, I wish I'd
thought of that!

* * *

Gravitation came to Newton when an
apple mused his hair;

The Messrs. Wright watched pigeons fly,
now our Air Force takes the air.

Mr. Franklin's kite went soaring—it put
juice in every flat,

But my skull is made of wishbone. How
I wish I'd thought of that!

* * *

Sun Tan powder made a million, so did
holes in underwear;

Chewing gum and snappy slogans, safety
pins and marcelled hair;

Telephones, refrigeration, Henry's Lizzies,
my straw hat—

Say, whence came the collar button? Gee
I wish I'd thought of that!

* * *

I'm always wishing, wishing, but I wish to
wish no more;

I'm resolved to think of something, even
if my brain grows sore.

Surely in my cerebellum there's a little
thought whereat

I can find relief from saying that I wish
I'd thought of that!

* * *

Maybe when all cells are hitting at a
first-class thinking pace,

Why, I'll have a chance to show 'em how
they ought to run this place.

Yes, I'll make the big suggestion; I'll be
hauled upon the mat,

And I'm here to say I'll tell 'em; I'm the
guy who thought of that!

—Author unknown.

Editorial

by DEAN M. CLARK

DISOBEY THAT IMPULSE

People who know about those things and are cruel enough to perpetrate them tell us of a little trick that may be played, doubtless most amusing if one is of a sadistic turn of mind, upon the common toad.

Cut a groove, say these sportsmen, down the center of a plank. Place the toad with his mouth at one end of the groove. Then roll small shot, one at a time, down the groove and Mr. Toad will open and close his mouth in rhythm with the approaching pellet, swallowing each until he is too heavy to move. Of course, it kills him, a slow terrible death, but he is powerless to resist the fascination of the little balls rolling toward him.

Many of us are a bit toad-like in some respects. We are fascinated by little things, little temptations and indulgences, one of which may be entirely harmless, but taken time after time make us heavy and dull, too gross to pursue ends really worthwhile. It is lack of discrimination, lack of sense of values, that often proves our undoing. That "sense of values" is rated by our philosophers as just about the most important element in living.

Under ordinary circumstances we are reasonably free to choose what we will swallow in the way of ideas and ideals, and what we would not. But some of us fail to consciously exercise the choice. We are too easily taken in.

Of course, in cases where great propaganda machines seek to mold public opinion we are all plunged more or less into confusion. The individual cannot be blamed entirely for accepting some of the products of propaganda as exemplified in the atrocity stories of the World War, the charges and counter charges of political campaigns, and other instances wherein a large portion of the avenues of public information are enlisted in the interests of this or that Cause. He cannot help being swayed when only one side of an issue reaches him. In such cases his only self-protection lies in a suspended judgment.

But in most of the seemingly smaller but to the individual just as important things, he can exercise a definite choice. He can accept or reject temptations to lie, cheat, or cut corners in business dealings. He can refuse admittance to the pellets of discouragement that come rolling down the groove, one after another. He can close the mouth of his mind against these offerings, that allowed to accumulate would stifle all ambition and leave him heavy and gross.

We have it on the toad somewhat. He has nothing to thwart his impulses. We have Reason.

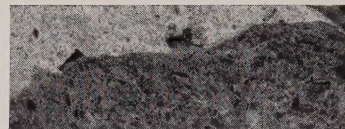
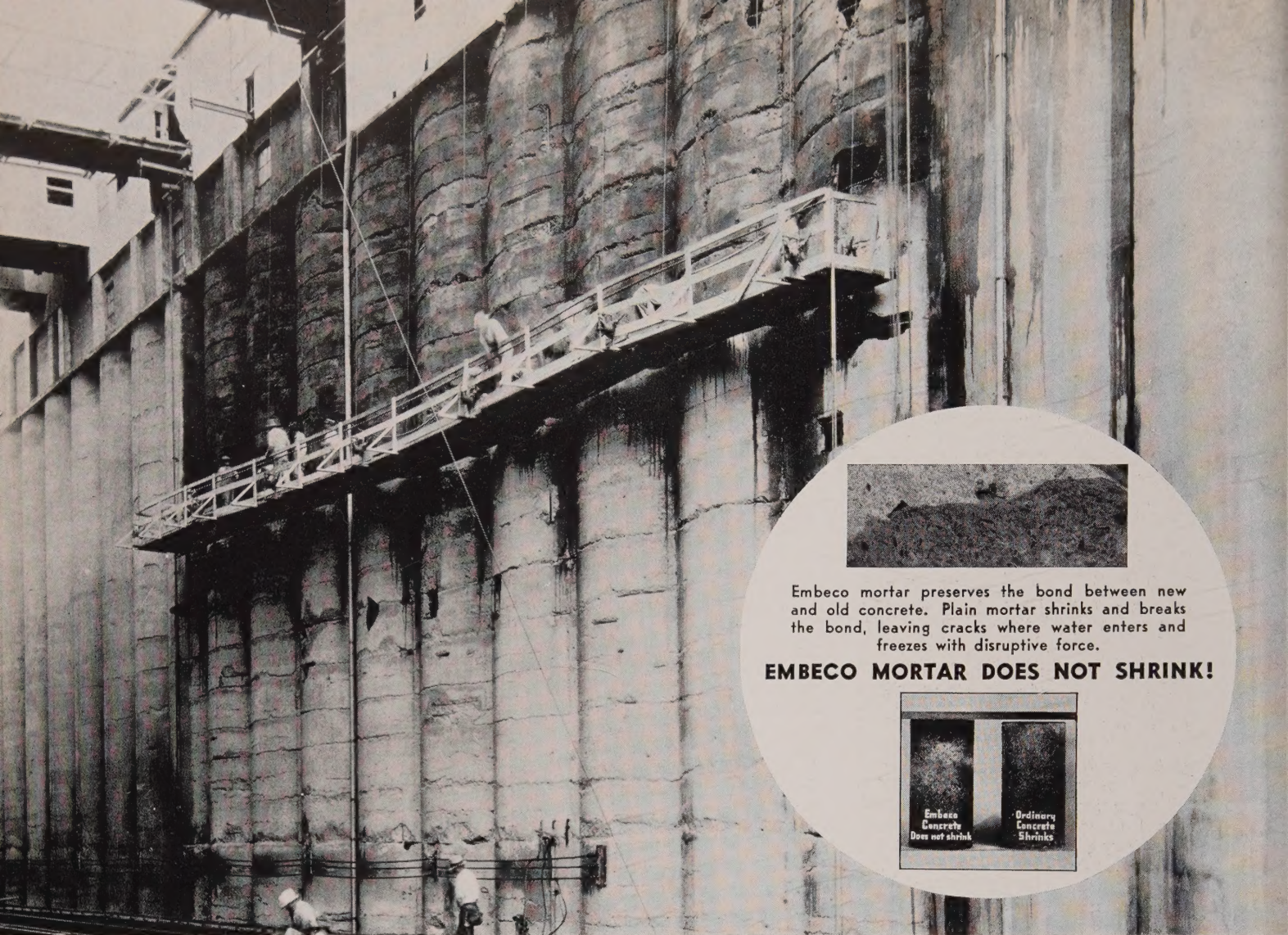
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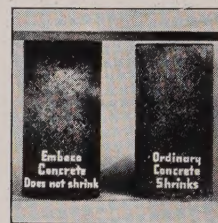
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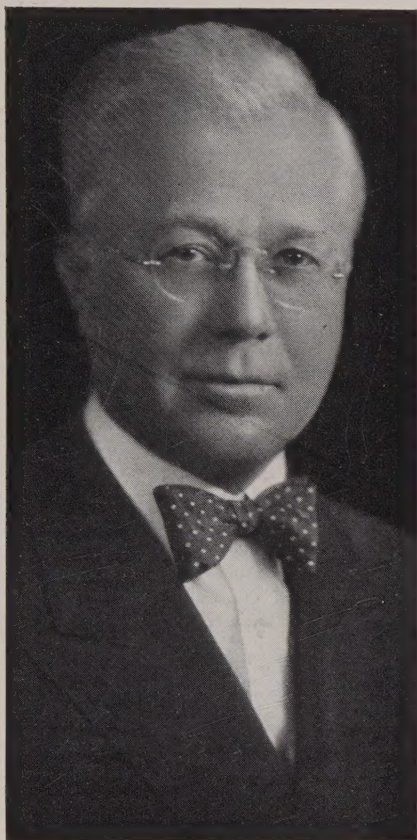
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MASTER  BUILDERS

A GOLDEN Opportunity

by FRED C. HOOSE

Before the Kansas City Elevator Superintendents, February 3



In opening his fascinating and pertinent remarks, Mr. Hoose, who heads the Norris Grain Company at Kansas City, said the local grain elevator and processing plant owners and operators were anxious to see a large attendance at the Superintendents' Association's approaching convention and eager to assist towards that end in every respect—even to persuading executives in other markets of the desirability of sending their superintendent's—just as they do here in Kansas City.

It might be well to relate some of my happy and also unfortunate experiences which proved to be a great school for me. I recall at that time we were handling a large run of corn and a great amount of it was on the ear and had to be shelled. We were running day and night with two shifts, twelve hours each, ten hours straight time and two hours over time, with thirty minutes for lunch in short shifts so that we would not have to shut the plant down. And I was Jack-of-all trades. We had about twenty men in each crew and the pay was 25c an hour with 5c extra for overtime. The straw bosses received about 10c more all around. I slept in the office on a cot almost every night and had my meals brought in to me by one of the small restaurant men who owned a horse and buggy. And when I look back on those "horse and buggy" days, I say to you — **they were great days!**

Carrie Nation Calls

We had a lot of fun and excitement. I well remember when Carrie Nation hit the town and smashed up one of the swellest saloons in that part of the country. It had a solid walnut bar with a plate glass mirror behind the big bar which was fully forty feet long. In the back of the room the owner had a bird aviary with about one hundred small birds — canaries, red birds, blue birds, birds of all colors of the rainbow. There were about ten barrels of whiskey always laying on their side against the wall opposite the bar, with tables and chairs between, and a free lunch table piled with food fit for the Gods.

Carrie hit the joint one Sunday afternoon, and what a wreck she made of it! She poured all the booze down the gutter, turned the birds loose, and smashed the plate glass mirror and everything else in the place. The whole town turned out for that show. Now, I ask you, where could you stage a stunt like that today and have any more fun than we did?

Night Mare

I am also thinking of one bitter cold night when I was fast asleep on my cot in the office and was suddenly awakened by the darndest racket I have ever heard, and the plant went dead. I hopped up, dressed as quickly as I could, lit my coal oil lantern, and when I got out to the elevator I learned that the coupling on the mainline shaft had come loose and stripped the bolts that held it, when the end that was still hooked up with the power swung around like an arm beating the air. It tore a great hole in the bin over it and let about 10,000 bushels of corn out on the floor. The dead end of course would be hooked up to the corn sheller and two legs which choked up, and what a mess that turned out to be! It took us the balance of that night and all the next day to get going again, and I fell heir to the swell job of cutting off that bent end of a three inch line shaft with a hacksaw. Zero weather and the wind tearing through that old wooden house, and me hanging up there two feet from the ceiling. I had to cut it to save the one and only leg left in the house that was hooked up to the power.

Sheller Goes Wrong

I also remember one evening, just as the night crew came on, the sheller screw conveyor in the basement went on the bum. I led the gang down there among the rats almost as big as cats. We had to tie our overalls around our legs with binding twine to keep the rats and mice from running up inside of them, as we had to lie on our bellies to repair the conveyor. If you have never heard a bunch of rats squeal and play tag around you in a pitch dark cellar you have missed a thrill.

I also had my experiences with strikes but they were not of the sitdown variety. In the main they did not involve the matter of wages, as in those days everybody was willing to work and was glad to have a job. But one day I had trouble

I AM indeed pleased to have the privilege and honor of meeting with you tonight. I feel rather at home here as I have served my time as a grain elevator superintendent. For thirty-eight years ago at this season of the year I was running the Santa Fe grain elevator at Winfield, Kansas.

It was a small, old, wooden crib, iron-clad house, with a corn shelter, two track scales, two sinks with four elevating legs, and a wagon dump, and operated by a steam plant with an Atlas engine. The elevator was equipped with old fashioned rope drives and steel spiral screw conveyors, with an old upright spool spindle manilla rope car puller, and had track room for about fifty cars, — as it was also the freight yards at that point on the Santa Fe Railroad.

with my engineer about the way he was not keeping up the power, as we had a big load on all the machinery and legs. He thought he had me and quit, but he did not know that my old man was a millwright and master mechanic, and I had had to put in five years and all of my school summer vacations with him and learn to build and run steam engines. I had to run our steam plant for three days until a new engineer arrived from Kansas City.

Master Salesman

I had another unique and what turned out to be a very nice experience. We were shelling a world of corn and the corn cobs were piled almost to the top of the sheller house and were slopping over onto the main line of the railroad. I was getting nervous about fire from the locomotive sparks. We were burning as many of them as we could in the power plant and trying to sell them at 50c a wagonload to the town people for kindling, but they continued to pile up. So I put an ad in the local paper that we would sell ten wagonloads for \$1.00 if they would haul them all away on Saturday of that week. When I awoke that morning about daylight, the road from town was choked a mile with wagons, and leading the line was a big farm wagon with six foot sideboards on it, driven by a bunch of boys from a small college in the town. I will never forget how they bunched around me with their dollar, fearful of my ruling out the sideboards. But they got their ten loads, sideboards and all. The corncobs disappeared before noon and I had to refund some of the money on the basis of 10c a load as some of the customers got left.

Today's Golden Opportunities

I could go on and talk for hours of other experiences, but I want to talk to you now about the opportunities you men have today with your fellow men. You are occupying a very unique place in the order of affairs today. You, as superintendents, are occupying the position of representing the owners and the operators of your several different plants. You are in direct contact daily with the manpower of these plants and I feel, and am sure all the owners and operators feel, that you men must, on account of the trend of the times and the order of the day, use rare and carefully thought-out judgment in handling the problems that confront all of us today. It is very unfortunate that there seems to have spread all over this country, during the last few years, a feeling of class distinction, and in some cases almost reaching the point of class hatred, the laboring man being advised and encouraged by agitators to believe that the owners and the operators of all industry are all against him.

Also a deplorable situation of labor organization, quarreling among themselves, being led and advised in many instances by men who are aliens in this country and should be deported; a condition almost unknown in the annals of labor unions. I am sorry to say that in some cases the owners and operators have much to reflect on for some of their past performances. But I hold that it is a **contemptible piece of communistic falsehood** to libel all industry as exploiters of labor. I am very sure that the owners and the operators of the grain and milling plants in Kansas City, during their entire history, always have shown a sincere desire to treat all of their help fairly and decently. Even before the N.R.A. agreement the men in these plants were paid a higher scale than a lot of other lines of business, as the N.R.A. agreement resulted in very few changes for the grain and milling trade. I want to remind you that when the N.R.A. was declared unconstitutional we did not change the order of our day but kept right on and maintained our scale of wages and hours of labor; as you all know, during the recent negotiations of the American Federation of Labor agreement we had very few differences to iron out.

In Superintendents' Hands

I am very happy that during this season we have come through without any labor difficulty in our business. And I am sure that we must maintain that position, and in the main it is in your hands as superintendents to spread that gospel and see to it that every man that works for you is advised that his security and chances for permanent employment will be much better by co-operation, and whole-hearted willingness on his part to keep the plant running, for a very large part of the gross income of the grain and milling business goes to pay wages and the maintenance of the plant.

Labors' Responsibility; Keep Plants Running

Statistics show that average wages per man in 1936 fell about \$200.00 per year, as compared with former years, and I feel sure that the decline was much greater in 1937. For, during the months of November, December, and January, this season, the decline in employment was larger than at any time since 1920. And during this time all labor organizations were more active than in any period of their existence. I hold no brief against labor organizations but I do say the day is surely at hand when they must commence to advise and teach their members that they have a responsibility. For it has been truly stated that wages are not paid only by the owners and operators, but in a great measure by the wage earners, themselves, by fully co-operating

with the owners to keep the plants running. For wages come from only one source — the products of the land or factory, which are the products of the nation.

Recently there has been a lot said and written about reducing the scale of wages. I am inclined to feel that the grain and milling trade, as a whole, has no such thought in mind, and they all have a sincere desire to maintain a decent living wage for all of their employees.

The only difficult problem that confronts the trade is the unfortunate occurrences of short crops which curtail business and compel us to lay off part of our men. And that is in the hands of Kind Providence, and all of the legislative or Union activities, and ever normal granaries and government subsidies on earth cannot change it.

No Fancy Salaries

In going over the list of over one thousand high salaried executives, recently published by the United States News of Washington, it is indeed gratifying to note that it does not contain a single one of the executives in the grain and milling trade. And some of the most intelligent and brightest minds are in the grain and milling business of this country, and I am proud to be numbered as one of a trade who can survive and pay large taxes and maintain large pay rolls in competition with the government subsidized so-called Farmers organization that lost many millions of dollars of the taxpayers' money. But, evidently the powers-that-be in Washington have had enough of this price valorization experiment as they have ordered that organization to liquidate.

Theory Unworkable

Quite a lot of publicity, discussion and thought has been given to the recent utterances of the president of the United States on maintaining higher wages and the lowering of prices and costs of living. But I have yet to learn of any one who believes that this theory will work out as it is in direct conflict with all economic law, and no government by edict or legislative enactment can make it work any more than lower wages and higher costs will result in a satisfactory economic solution.

Oh, I am well aware that the so-called "pump priming" can continue and government debts continue to pile up, but that policy might in the end result in the destruction of the value of all monies except that pile of gold buried in the ground in Kentucky.

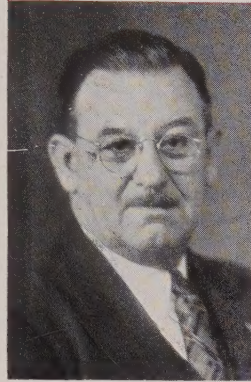
I hold no brief against any sort of relief for the unfortunate, be it government or otherwise, but in the name of High Heaven let's spend it on relief and



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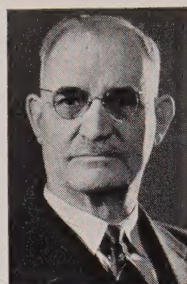
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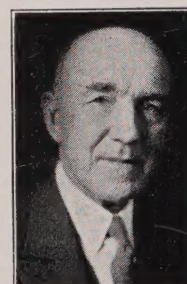
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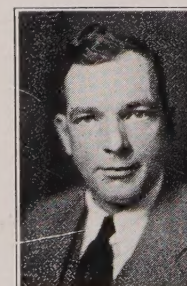
T. C. Manning, Wabash Elevator, Uhlmann Grain Co., North Kansas City, Mo., President of the K. C. Chapter



Co-founder of the Society, E. H. Karp, Farm Credit Administration



President of the Ft. William-Pt. Arthur Chapter, M. Frank Beyer



President of the Minnesota Chapter, Jack Coughlin

not in developing career men and women on the pay rolls of the so-called alphabetical relief agencies, while private industry is being taxed and regulated out of existence and private funds are being invested in foreign lands.

Money Fleeing Country

It might interest you to know that over 400 million dollars of United States private funds have been sent to Canada during the last two years, and the collapse of over thirty billion dollars in values of United States securities during the last six months is, to say the least, giving a lot of the United States industries, insurance companies, and private investors a tremendous amount of concern. And I am inclined to believe that if some of the regulation and tax laws are not repealed considerably more of the private funds of the United States will be compelled to find more foreign outlets for investment.

Taxes Vitally Concern All

I would like to say to you in closing that the matter of taxes is of vital concern to all of our people who work for wages, for, by the same token that wage earners in a great measure help to pay their own wages, they also pay their full share of taxes and not the least among them is the hidden taxes that are added on to their every day needs, such as food, clothing and the necessities of life, and I am sure it is high time that they should commence to understand these things and appreciate that they, too, will have to pay the price of this tremendous debt that our Government is piling up for statistics show that the forty million wage earners of our country are paying out in taxes of one sort or another about two billion dollars every year.

And I think the co-mingling of the social security fund with other government funds by recently diverting over 400 million dollars of that fund by executive order, is a crime and an outrage. The least they could do with that — what I choose to call a sacred fund — would be to secure it by ear-marking some of that pile of gold at Fort Knox to be used only to redeem that social security insurance pledge.

For All Wages Arise from Work

The subjects that I have talked to you about are, in my judgment, very important and quite often seem to be far removed from the average man's interest. But I am sure you will agree with me that they directly affect the welfare of the working man and in your contacts with him, your influence and guidance can be very helpful in assisting him to an understanding of these problems and to right thinking concerning them. I urge you to avail yourself of this opportunity.

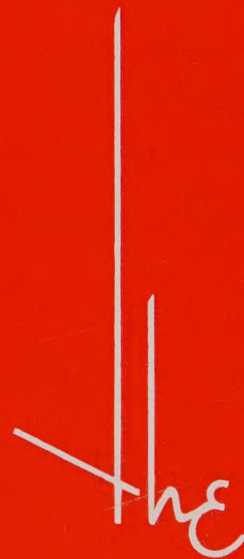
Food for Thought

From A. Dankmeyer, Columbus, Ohio



The greatest sin.....Fear
 The best day.....Today
 The biggest fool—*The boy who will not go to school*
 The best town *Where you succeed*
 The most agreeable companion*One who would not have you any different from what you are*
 The great bore—*One who will not come to the point*
 A still greater bore*One who keeps on talking after he has made his point*
 The greatest deceiver.....*One who deceives himself*
 The greatest invention of the devil *War*
 The greatest secret of production *Saving waste*
 The best work *What you like*
 The best play.....*Work*
 The greatest comfort *The knowledge that you have done your work well*
 The greatest mistake *Giving up*
 The most expensive indulgence *Hate*
 The cheapest and easiest thing to do...*Finding fault*
 The greatest trouble maker....*One who talks too much*
 The greatest stumbling block.....*Egotism*
 The most ridiculous asset *Pride*
 The worst bankrupt.....*The soul that has lost its enthusiasm*
 The cleverest man....*One who always does what he thinks is right*
 The most dangerous person *The liar*
 The most disagreeable person *The complainer*
 The best teacher....*One who makes you want to learn*
 The meanest feeling of which any human being is capable *Feeling bad at another's success*
 The greatest need *Common sense*
 The greatest puzzle *Life*
 The greatest mystery *Death*
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 The greatest thing, bar none, in all the world *Love*

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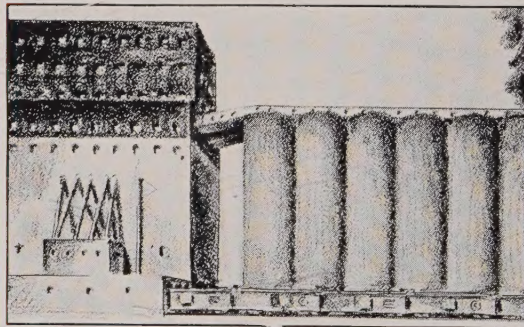
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DALLAS, TEXAS
401 Tower Petro. Bldg.

ROCHESTER, N. Y.
1223 Commerce Bldg.

EASTON, MD.
428 South St.

SPRINGFIELD, MO.
215 Holland Bldg.

MADISON, WIS.
155 E. Wilson St.

SAN FRANCISCO, CAL.
485 California St.

TAMPA, FLA.
416 Tampa St.

CLEVELAND, OHIO
Leader Bldg.

LOS ANGELES, CAL.
Garfield Bldg.

MEMPHIS, TENN.
106 Porter Bldg.

CONVENTION COMMITTEES

The Kansas City boys are "really going to town" in preparing for the biggest convention in the history of the Superintendents' Society, word seeps through from headquarters.

Harry Armstrong of Uhlmann Grain Company's Katy Elevator heads the new Convention Program Committee, aided by J. L. Brown of Larabee Flour Mills, Frank Wilson of Norris Grain Company's Burlington Elevator, William Groseclose of Kellogg Grain & Elevator Corporation's CGW Elevator, and W. L. Leary of Farmers National Grain Corporation's Kansas-Missouri Elevator.

P. A. Kier of the Wyandotte Elevator Company is chairman of the Finance Committee, aided by Roy Harp of Wolcott & Lincoln's Kansas Elevator, and Chapter President T. C. Manning of Uhlmann Grain Company's Wabash Elevator.

The Chamber of Commerce is furnishing the girls for registration and a capable party to assist with our Ladies' Entertainment Committee.



Increase Yields Electrically

By J. H. Davis, B. & O. R. R.

My experimental work in using high powered short radio waves for the extermination of insects in seeds of various kinds clearly indicated that seeds so treated show enhanced germination, growth and yield profits. The reason for this is not clearly understood. In one case we treated a comparatively large amount of seed wheat and this was planted by one of the Eastern universities along with untreated seed from the same lot and careful check was made when the wheat was harvested and it was found that the increased yield from the treated wheat was about 8.5%.

In Italy even better results than I obtained have been experienced and only a few days ago Mr. K. Kamio of Tokyo, Japan, called at this office and brought me some results of tests which had been conducted in Japan using high powered short radio waves for the enhancement of germination, growth and yield properties of flower seed.

I think we can now safely state that irradiating seeds of various kinds with high powered short radio waves in fields of proper densities will enhance germination, growth and yield, but I believe much experimental work is yet necessary to determine the field strength and frequencies best adapted to different types of seed.



ALWAYS SOMETHING NEW

European fireflies were recently said to have been imported into Australia to check the plague of snails that threaten crop fields. The young snails are devoured as they hatch by the insects. — The idea has possibilities in grain and processing elevators.

About Folks You Know



HOLLIS F. GRAVES

There is a gleaming array of power machinery in the Capitol Elevator Company's plant in Duluth that would please the eye of any man. Huge producers of power smoothly creating a life-beat that translates its force into the moving belts and cables and machines necessary to handle the huge volume of grain moving in and out of the elevator. The Superintendent views the layout and a pleased smile spreads over his face.

Contrast that shining picture of modern efficiency with a little old country house back in the nineteenth century, powered by a blind horse in charge of a ten year old boy. The kid absently thwacks old Dobbin's flanks with a switch as his youthful eyes fill with daydreams of the future. Someday he would be like his father, a great big Superintendent. Someday he would have a towering elevator of his own to run, only he would have—and here his daring imagination soared—he would have one of those new-fangled gas engines in place of old Dobbin!

His dreams came true. For up through the march of years from that barefoot boy and blinded horse came the Superintendent of the mammoth Capitol Elevator—Hollis F. Graves.

It was not an easy road he trod, nor a clean swept highway. It was a dusty, grimy road studded with obstacles large and small. In 1905, Graves, the roustabout, was hired at the old Capitol Elevator where he labored and sweated on every job in the plant except—shades of old Dobbin!—running the engine.

An interlude of two years occurred when he accepted a position as wheat buyer for the Ely Salyards & Co. at Bowbells, North Dakota. But the call of the elevators was too strong and in 1916 Mr. Graves returned to Duluth to take charge of the new Capitol Elevator, just completed that year.

Over the score and more of years since then he has graphically demonstrated just what a first class elevator can do, and to his legion of friends, in and out of the SOGES, he is known as Graves of the Capitol, that capital chap.



Last Year It Was Fort William — Port Arthur

SOCIETY ADMITTED BY G&FDNA



OTTO F. BAST

Our Society has just been admitted to membership as an affiliate of the Grain & Feed Dealers National Association — parent body in grain and feed handling throughout the continent. To the G & FDNA belong all the grain and feed dealers associations of the land.

Composed largely of terminal and country elevator owners and operators, the Grain & Feed Dealers National Association concerns itself primarily with legislation, trade practices, arbitration and other allied angles of trading. Their forty-first annual convention is slated for Dallas, Texas, October 11-12.

Otto F. Bast, President of the G&FDNA, Minneapolis, addressed our recent convention in Fort William-Port Arthur on the "Relationships That Should Exist Between Management and Superinten-

dents."—Second Vice President H. P. W. Keir, Wabash Elevator, Bartlett Frazier Company, Chicago.



MEMBERSHIP RACE WINDING UP

The extended battle between the two new membership teams appointed last year on a basis of merit — is about to draw to another successful climax. The results, however, are a little different than they were a year ago, nevertheless that last-minute sprint to break the tape is always what keeps this contest so interesting.

President Orstad's "Head-House Team" is now in the lead with 25 new members, divided:

S. S. Orstad, Fort William.....	4
H. P. W. Keir, Chicago.....	7
John Coughlin, Minneapolis.....	0
Percy Poulton, Fort William.....	0
T. C. Manning, Kansas City.....	13
Paul Christensen, Minneapolis.....	1

Frank Beyer's "Power House Team" ran out of steam but they can invariably be counted on to fire-up and produce enviable results. Their record so far is:

Frank Beyer, Fort William.....	0
Gilbert Lane, Chicago.....	0

Ed Raether, Minneapolis.....	2
James Mackenzie, Three Rivers.....	1
Barney Weller, Chicago.....	2
Ed Frauenheim, Buffalo.....	0

Even with their total of five the threat of "bean pie" or some other stunt will drive 'em into action like you never witnessed before in your life.

Others turning in new members and vying for a post on the teams — as such positions are always earned through the past years' records — are:

Roy Browne, Kansas City.....	2
Harry Madison, Kansas City.....	2
Henry Korn, Buffalo.....	1
Arvid Anderson, Omaha.....	1
Tom Emmert, Kansas City.....	1

All are invited to witness the "pay-off" between the teams — which will unquestionably equal the fun of the Duluth "bean dinner" two years ago.

All aboard for Kansas City, March 27-30!



MAY GO AWOL FROM SANTA'S NORTH POLE

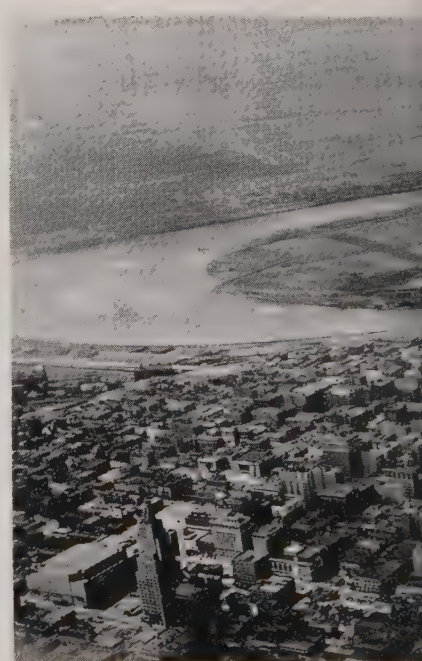
It was with regret that I was unable to attend the convention at the Canadian Lakehead this year, but am living in hopes of being able to attend the next one in Kansas City, March 27-30. — C. A. McCallum, Superintendent, National Harbour Board Elevator, Churchill, (look at your map), Man.



KANSAS CITY WELCOMES '38 CONVENTION

Kansas City welcomes the 1938 Superintendents' Convention with pleasure, and

This Year It's "All





ON



SINCE
ED IN
D LIVES
TOR



D GET
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MEETING



S, SIR—
FOR
US
ELY, SIR



from the way Mr. Frank Theis, President of Simonds-Shields-Lonsdale Grain Company here talked to us at our first meeting there is no question but what the firms will get behind their affair and help to put it over in a grand manner.—T. C. Manning, Chapter President.



DELVING INTO THE PAST

The Society of Grain Elevator Superintendents of North America have held conventions at the following places:

Sept. 1, 1930, Sherman Hotel, Chicago;

April 6-7-8, 1931, Sherman Hotel, Chicago;

Oct. 12-13-14, 1931, Rice Hotel, Houston, Tex.;

March 28-29-30, 1932, Sherman Hotel, Chicago;

April 3-4-5-6-7, 1933, Sherman Hotel, Chicago.

February 10-11-12, 1934, Statler Hotel, Buffalo;

June 8-9-10-11, 1934, Sherman Hotel, Chicago;

March 30-31, April 1-2, 1935; March 30, Schroeder Hotel, Milwaukee, Wis.;

March 31, April 1-2, Sherman Hotel, Chicago;

June 12-13-14-15, 1936; June 12-13, Hotel Duluth, Duluth, Minn.;

June 13-14-15, Nicollet Hotel, Minneapolis;

June 14-15-16, 1937, Royal Edward Hotel, Fort William, and Prince Arthur Hotel, Port Arthur, Ont.

March 27-30, 1938, Kansas City, Mo.

For Kansas City!"



And Buffalo Insists On Having The 10th Anniversary Convention In 1939

FIRE PROTECTION MEETING IN MAY

The annual convention of the National Fire Protection Association is to be held in Atlantic City, N. J., during the week of May 9th. It is here that the insurance companies agree upon rules and regulations for the erection, maintenance and operation of grain and processing elevators from the standpoints of dust explosion hazards, fumigation hazards, electrical hazards, static hazards, etc., etc., ad infinitum.



WILL DULUTH DUST EXPLODE?

That's a burning question! Even the Pacific Coast Superintendents take next to no interest in dust explosions because they say the high humidity there precludes such a possibility. Other Lake cities have had plenty of blasts; interior points have witnessed explosions on rainy, drizzly days, but what about Duluth?

Samples of dust used from various Duluth elevators refused to "blow" at last year's Elevator Superintendents' Convention, but when Dr. Hylton R. Brown took them back to his laboratory in Washington they acted with percision like any other dust—and the day was **very humid**. The pressures developed were sufficiently high to completely demolish a grain elevator.

What's the answer?

BUFFALO GIRDLING FOR '39 MEET

by Ed Frauenheim, Jr.

We are hoping to get sufficiently well set up so we can handle the tenth anniversary convention here in Buffalo in 1939, and expect to have an enthusiastic representation to bring the convention here at the Kansas City meet.



LOOKING FORWARD TO CONVENTION

I am looking forward to our Convention in Kansas City and to meeting all the boys again. There will be a large attendance from Fort William and Port Arthur, not to mention other Canadian ports.—W. D. McIntosh, Superintendent, Union Terminal Limited, Port Arthur, Ont.



AN OUNCE

"An ounce of prevention saves a lot of headaches," suggests C. J. Alger, prominent Society member, "and it will be a pleasure to tell the convention how the Corn Products Refining Company handles its very successful personnel relations problems."

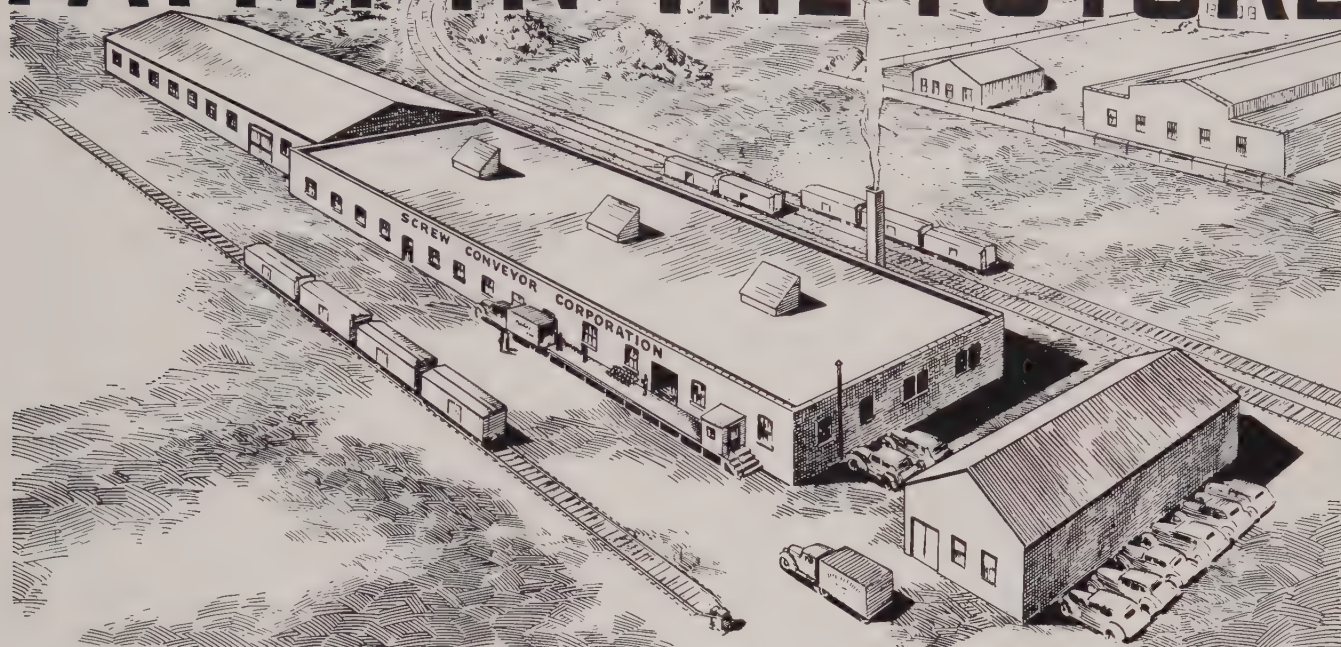


The modern grain elevator is a big im-

Many of our best ideas in all branches of industry come from the man who is working at the practical end of the machine, which fact is admitted by engineers and designers. These ideas are eventually admitted to the drafting room

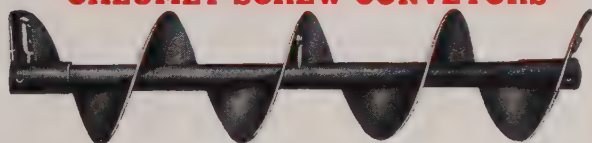
A man is making the biggest mistake in his life when he thinks one must necessarily be a genius to be an inventor. True, many of our great American inventors were geni but the majority of developments come from the every day working man so it is logical to say that if an industry, no matter what it is, is to prosper everyone must be given a chance to use his or her thinking powers, which, when applied to a real problem might prove to be "just what we want". Probably "GRAIN" can supply some food for thought for those who like to make their business a source of profitable pleasure.—John S. Bush, Kingston (Ont.) Elevator Company.

FAITH IN THE FUTURE



**STARTING FROM SCRATCH IN THE MIDDLE OF THE DEPRESSION
DOUBLING OUR CAPACITY IN THE MIDDLE OF A RECESSION**

CALUMET SCREW CONVEYORS



We manufacture Screw Conveyors in all types, diameters and gauges of flight.

ELEVATOR BUCKETS



CALUMET

NU-TYPE
FLOUR MILL

HAMMOND
"DP" & "OK"

SALET

Our manufacturing facilities embrace the most modern equipment for the production of Buckets in types and sizes to suit all grain handling and milling needs.

STREAMLINED HANGERS



No. 17 HANGER

No. 18-A HANGER

Calumet Hangers are streamlined offering minimum resistance to movement of material.

BOX ENDS



OUTSIDE PATTERN
FOR STEEL BOX

Modern in design
... for wood or
steel boxes.

FRICTIONLESS BEARING END THRUSTS



STYLE
"A" & "B"

STYLE "C"

STYLE "D"

We have given the same thoughtful consideration to end thrusts as we have to other items and can truthfully say that our line is the most complete on the market. Use end thrusts on your Screw Conveyor installation for efficient operation. Lower power costs and minimum repairs.

Screw Conveyors, Buckets and Accessories for Every Mill and Elevator Requirement

The demand for Calumet Products has been spectacular. It has been necessary for us to continually increase our manufacturing facilities to meet trade needs—our biggest step forward being the acquisition on January 1, of the plant and property pictured above. This represents a 100% increase in floor space and it also indicates that our endeavor to develop and offer superior elevating and conveying equipment has won the approval of the many mills and elevators we serve.

We pledge continued adherence to the principles which have been responsible for our growth and to the confidence reposed in us. Consult our dealers regarding your problems.



EACH DIRECTOR PROMISES A TALK



E. J. RAETHER

Each Director and Officer of the Elevator Superintendents Association has gone on record as promising a talk for next year's convention—or a speaker. We had a grand roundtable after the convention on our '38 program and believe we can come somewhere near matching the one the Fort William-Port Arthur boys put on this year.

Tell the boys to start sending in their suggestions to me as they think of them, for it's never too early to begin.—E. J. Raether, First (Program) Vice President, c/o Brooks Elevator Company, Minneapolis.



PRESIDENTS OF THE SOCIETY

C. E. Wood, General Superintendent, Baltimore & Ohio Railroad Elevators, Baltimore, Maryland, September 1, 1930 until his death, August 13, 1931;

E. H. Karp, General Superintendent, Burlington Railroad Elevators, (now with U. S. Farm Credit Administration) Chicago to fill Mr. Wood's unexpired term;

A. Benson, Superintendent, Texas City Terminal Elevator, (Houston Milling Company), Texas City, Texas, March 30, 1932 to April 7, 1933;

Frank L. Neilson, President, Cargill Warehouse Corporation (now Vice President, Cargill, Inc.), Minneapolis, April 7, 1933 to June 12, 1934;

William H. Gassler, Superintendent, Calumet Elevators, Rosenbaum Brothers, Chicago, June 12, 1934 to April 2, 1935;

Oscar W. Olsen, Peavey Duluth Terminal Elevator Company, Duluth, April 2, 1935 to June 15, 1936;

Henry S. Cox, Star Grain Co., General Mills, Chicago, June 15, 1936 to June 16, 1937.

S. S. Orstad, Manager Federal Grain, Ltd., Fort William, Ont., elected June 16, 1937.



NEAR POP

An elevator shaft became clogged; motors continued to spin and friction ignited three belts—the grain dust carrying the fire to the wood portions of this particular terminal elevator.

Fortunately the blaze was checked by firemen, saving the structure from probable destruction.

THE ROMANCE OF SERVING YOU

Dear Editor:

We enclose herewith our advertising copy for the February issue of "Grain".

This copy may appear unusual to you, but to us there is represented here a romance of business and friendship development that we proudly present to our friends and associates.

This business was organized, and started servicing the community in which we are still located, over forty years ago, in the horse and buggy days. It has consistently prospered and expanded by keeping step with the needs and demands of industrial development and expansion. A part of the program of "keeping step" has been the selecting and training of a personnel group who, because of specializing in certain products or services, are well adapted to meet the mechanical and operating problems of industrial organizations, on an intelligent and energetic basis, destined to be of valuable service to our customer friends.

During our forty years of constant service, a great deal of study has been made of the service required by the "Grain Elevator Industry" and it is with a feeling of complete confidence that we present the men, whose pictures we enclose with this copy, to the Grain Elevator Superintendents of North America, with the sincere assurance that each of them is able and experienced in the products they handle, and each of them is sincerely anxious to be of service to the "Grain Elevator Industry".

With full appreciation of the cooperation of the Grain Elevator Superintendents over the years that have gone, and asking that same full measure during each of the years to come, it is to us a privilege and a joy to wish to the Elevator Superintendents Association of North America, a most successful convention and a prosperous and Happy New Year.

Yours very truly,
Great Lakes Supply Corporation

C. A. Channon

Executive Vice-President

CLOSER RELATIONSHIP SHOULD EXIST

I know that a closer relationship should exist between the Management and the Superintendents and if I can be instrumental in any way in affecting this relationship I will certainly do my part. — Otto F. Bast, Vice President of the Grain & Feed Dealers National Association, Minneapolis.



ON THE CONTRARY, IT PASSED

At the time of the Elevator Superintendents' convention it was reported that the measure presented before the National Fire Protection Association requiring the fastening of a continuous wire, hoop fashion, to both outside corners of all buckets, same to be grounded to diffuse static, had been squashed. It now comes to light, however, that this was PASSED by the NFPA convention as a "Progress Report" without being read at the meeting,—it being presumed that everyone voting on same was familiar with it.

This also means that the Superintendents and the Managers are going to have to work doubly hard to fight this measure at next year's NFPA convention to be held at Atlantic City, N. J., in May.

Copies of this 1937 Static Electricity Committee Report may be obtained from the NFPA offices, 60 Battery-march Street, Boston, Mass., at 50c each. Operators and Chapters should start work on this now. — Technical Secretary C. J. Alger, Corn Products Refining Company, Chicago.



EXPLOSION INJURES THREE

Broken windows in the houses and buildings a mile around the Eastern States Farmers Exchange just outside the city limits of Buffalo testified to the force of a rumbling dust explosion that shook sections of the city as it blew off the roof of this million bushel elevator on October 9th.

Running true to form this blast was as weird as it was spectacular, blowing upward from the eighth floor past men on the tenth floor, ripping out steel and concrete before taking the roof.

Three men were injured, fortunately not seriously, and 100 others working nearby escaped.

NEED AN ASSOCIATION BE "SOLD"



S. S. Orstad

respective minds that were the Society not worth while it would not continue growing so solidly. Here's the story:

Two gentlemen having strings of terminals under their jurisdiction met and their conversations on mechanical, technical and operative problems left them both better prepared to handle their jobs in the future. If they could meet and exchange ideas profitable to their companies, they reasoned, then why not

others? Thus the idea was created, the seed planted, and the mighty oak is spreading to a point where the Society now has six Chapters functioning and six more in the process of being formed in other parts of the continent. In another twelfth month five others will doubtless be started so that practically every interested Superintendent and Manager may attend monthly discussion meetings in his own section.

In addition to the dust explosion studies being carried on, accident and injury prevention, the exchange of mechanical innovations, discussions on such serious grain handling problems as was the sick wheat of a few years back (which every member could get profitable information upon), co-operation with other leading associations of both technical and economic bent, and closer relationship with Management — which has proven of widening benefit to both, are some of the undertakings.

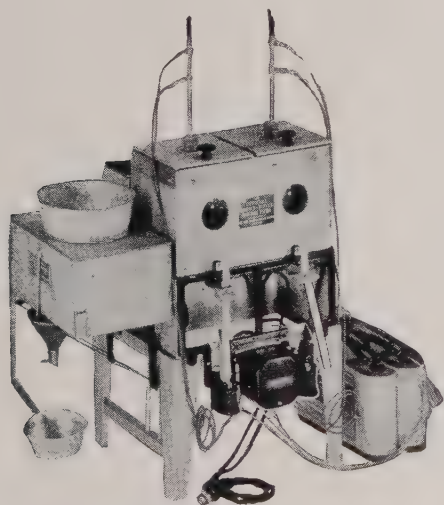
Through the National Fire Protection Association, American Standards Association, National Safety Council, American

SUPERVISION HAS GOT TO BE THERE!

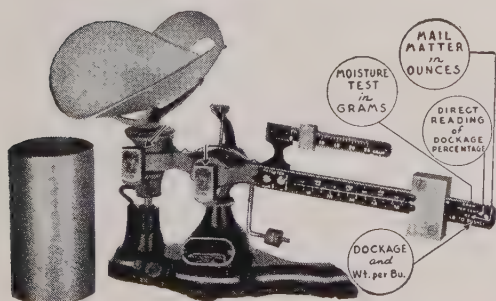
Regardless of the efficiency of the dust collecting system, or the perfection of the electrical installation, or the value of the first aid or municipal fire protection, the elevator would not be considered a good fire risk or an efficiently operated house if it did not have proper supervision. The best of mechanical equipment needs care, proper oiling and replacement of defective parts; regardless of the efficiency of the dust control equipment, cleaning is constantly required; necessary repairs must be made, and the surroundings kept free from dirt and refuse which could easily be the cause of a disastrous fire.

This is your part of the operation of a first-class elevator. There cannot be a first-class elevator unless it has a first-class Superintendent. — Canadian Milling & Feed Journal.

Society of Mechanical Engineers, Rubber Manufacturers Association, Farm Chem-



Official Brown - Duvel Moisture Tester with Electric Automatic Shut-off Device.



Special "Four-in-one" Scale, pint measuring cup included.

**SEND FOR
COMPLETE
CATALOG**



Tag - Heppenstall Moisture Meter — for making moisture tests of grain.

SEED TRADE REPORTING BUREAU
626 BROOKS BUILDING CHICAGO, ILLINOIS

Knowing Your Worth **IS WELL WORTH KNOWING**

Serving the grain trade with an unusually thorough personal Appraisal Service rendered by an experienced staff of valuation engineers who are truly master appraisers of terminal elevators and grain processing plants.

This organization offers you the benefit of many years accumulated experience in serving some of the larger grain firms with provable valuations.

For further information write

APPRAISAL SERVICE COMPANY

INCORPORATED

MINNEAPOLIS, MINNESOTA

"APPRAISERS TO THE GRAIN TRADE"

Society is either a member or co-operates with them, our Association has undeniably been an influence for the betterment of handling practices.

Quite naturally the conventions are highly important in the career of a member, for it is here that new methods, new ideas, discussions of problems by experts in all lines, and the dissemination of knowledge found reliable by others, is built up, torn down and a masterpiece finally turned out.

Therefore I unhesitatingly say that joining the Society is to recognize opportunity, it is to keep company with the men who are getting places, it is to enjoy contacts, — for surely no Superintendent, or in fact any business man in any responsible position can function to the maximum efficiency when going it alone.

Can there be a man who can afford to miss the benefit of the views and the experiences of those in a like line of work? . . . Why wait longer? . . . JOIN TODAY! — President S. S. Orstad, Manager, Federal Grain Ltd., Fort William.



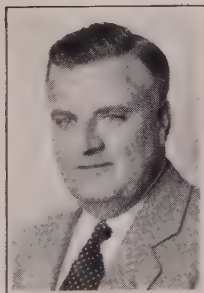
HEARING GOOD REPORTS

From time to time as I talk to the boys who attend the Society's conventions, I hear of certain things that take place there that accrue very distinctly to their and their firm's profit.

If I am not mistaken the annual meeting is to come to Kansas City on March 27-30 of next year and that being the case I am going to be on hand.—O. H. Horner, Horner & Wyatt, Kansas City, Mo.



VERY HIGHLY REGARDED



Percy C. Poulton
William-Port Arthur Chapter, N. M. Paterson & Company, Ltd.

The '37 convention was very highly regarded from all quarters and I feel the good-will it has created generally among our membership and the trade will pay good dividends in the not far future. — Percy C. Poulton, Second Vice President, Fort

William-Port Arthur Chapter, N. M. Paterson & Company, Ltd.



UNSIGNED ARTICLES?

Some feel a bit reticent about having their names signed to their contributions . . . but send in your ideas — and if you prefer that your name NOT be used, it will not be.

WHERE LIGHTNING STRIKES

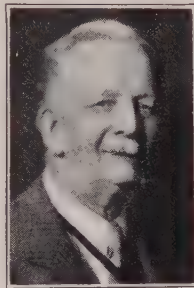
By M. M. Noxon, DEH Chairman

Lightning strikes, scientists have at last announced, not twice in the same spot, but where moisture is bountiful and crops abundant, according to the Grain Insurance and Guarantee Company of Winnipeg.

Another scientist credits electrolytic action of grain dust atoms for dust explosions.

Put them together and you have more confusion than ever over the cause of some of our many mysterious blow-ups.

GODFREY MORGAN EXPIRES



Godfrey Morgan, vice president of the Kellogg Grain & Elevator Corporation, Buffalo, died January sixth after an illness of two months. For years Man-

ager of elevators for the parent company, Spencer Kellogg & Sons, Mr. Morgan took an active interest in the Society of Grain Elevator Superintendents and really had a soft spot in his heart for this Association of which he was a most helpful Director.

Prominent in the city's church, fraternal and civic life, as secretary of the N. Y. Association for Crippled Children he was responsible for influencing much of the legislation providing better care of these unfortunates. He served some years as president of the Buffalo Transportation Club, the Rotary Club, and was prominent as an officer and member of all the Masonic bodies. He served on numerous Boy Scout committees and was president of the Guido Chorus, a musical culture group.

His widow, two sons and two daughters survive this widely esteemed personality.

He will be sorely missed by all who knew him.

KNOW YOUR WEED SEEDS

Seed World publication of 223 W. Jackson Blvd., Chicago, has prepared a sixteen page booklet of forage plant seeds and weed seeds, quite worth its twenty-five cents cost in identifying them. urgic Council. and so on, of which the

LAKE SUPERINTENDENTS, PLEASE DON'T READ THIS

A Superintendent was escorting Mr. Patrick O'Toole, a new arrival from Ireland, relates Mr. John S. Bush of Kingston, Ont., through his elevator when Pat enquired, "An' what be the big tanks up there?"

"Those" said the Super, "are our weigh scales where we weigh the grain."

"Begorra," said Pat, "we niver bother with such complicated contraptions in Ireland, we have a much simpler way."

"That sounds interesting," said the Super. "How do you do it?"

"Well," replied Pat, "when 'oi weighs me pigs for market 'oi gets a long board and lays it across the rail fence, and then 'oi lays the pig on one end an' a big stone on the other end, then 'oi moves the stone along 'til it just lifts the pig off the ground; the rest is simple, 'oi guess the weight of the stone and 'oive got the weight of me pig."

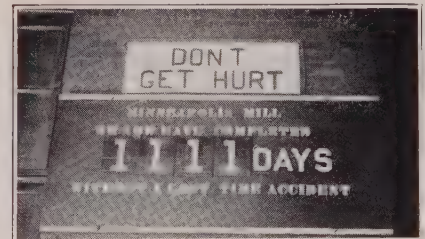
(Ed: Sounds like some of the arguments heard between the Supers of shipping and receiving elevators.)



1111 DAYS WITHOUT AN ACCIDENT

By M. L. Cobb

Here is a photograph of the big black-board at the entrance to the Spencer Kellogg & Sons Elevator and Plant at Minneapolis showing 1111 days without



an accident that I thought would be of interest to the readers of GRAIN.

It is rather interesting to see how the workers react to seeing this sign changed every day and it certainly has a great bearing on their will to prevent accidents. We employ around 175 men at this Plant so it seems to me that this is quite a remarkable record—running somewhat over three years.

Our Company has always been strong for SAFETY. We have had Safety meetings at our plant every month for several years and we continually show Safety posters. I think from this photograph one would have to admit that this Safety campaign of ours has borne fruit.

CONVENTION PLANS UNDER WAY

Members are urged to send in suggestions and ideas for our Association's annual convention here in Kansas City this coming March 27-30, requests Chapter President T. C. Manning. Elevator Company members of the Kansas City Board of Trade are graciously lending a most generous hand in every way.

PHOTOG TO AID CONVENTION

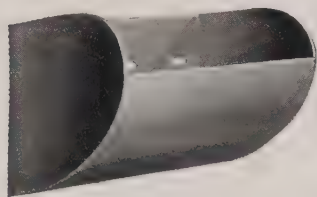
We are having a photographer at our January meeting here in Kansas City — to show the rest of the membership who the boys are that are going to put on their annual program down here in March and so they all can get acquainted a little bit before the big meeting. Tell the other chapters to go and do likewise so we'll get a glimpse of them beforehand, too! — T. C. Manning, President.

AUTOMATIC SHOVEL RIG NEAR

One of our members is working on the idea of an automatic shovel rig, writes Ed Raether, Secretary of the Minneapolis Chapter, — so tell Ed Frauenheim of Buffalo to hurry up or we'll beat him to it.

THE CALUMET

(Protected by U.S. & Foreign Patents)



Be **AHEAD** with your installation of the **CALUMET** patented bucket.

Our recommended close spacing will **double** your present capacity; or

Use on your present spacing for a noticeable capacity increase.

Adaptable to use in a greater range of commodities than any other bucket.

Its popularity among Elevator Owners is unprecedented. Proven performance has warranted extensive replacements.

Sturdy—reliable for long life; no useless weight without sacrificing strength; smooth joints.



B. I. WELLER

Sole Manufacturer

220 W. Chicago Avenue
East Chicago, Ind.

327 S. La Salle Street
Chicago, Illinois

R. R. HOWELL & CO., Minneapolis, Minn., Northwest Distributors

FEEMSTER RETIRES

H. William "Bill" Feemster, for many years Superintendent of the Western Maryland Railroad's Terminal Elevator at Baltimore, prior to which he was connected with the Burlington's "Q" and Murray Elevators in Kansas City, recently retired because of ill health. In addition to the foregoing Bill was likewise associated with the Galveston Wharf, Kansas City Southern and Alton Elevators.



H. W. Feemster

The Baltimore elevator exploded a short time back and Bill, for many years a Director of the Society, received a concussion of the brain when thrown headlong by the force of the blast into the concrete tanks. This greatly bothered his eyesight, but he's coming along nicely now. . . . Good luck, Bill, and let's hear from you often!

84% Increase in Two Years

By H. P. W. Keir, 2nd Vice-President

It is a source of great satisfaction to me to report the increase of memberships in the Society of Grain Elevator Superintendents for the year ending December 31, 1937.

The Association closed the year with a membership enrollment of 384. This enrollment represents an increase of 84% over the number of 1935 members, and a 42% increase over 1936, when we closed the year with 282 members.

As you can see, we barely missed making an even 100% gain over 1935. However, we can shoot at that figure for our Annual Convention in March at Kansas City, by bringing the present total of 384 up to 410.

RAETHER MOVES

E. J. Raether, First Vice President of the SOGES, has moved to 3715 Columbus Avenue, Minneapolis, — which should be noted by those who will be good enough to communicate with him on program suggestions for our annual convention.

GREETINGS FROM AFAR

Mr. L. S. Harrison, Assistant Manager of Government Grain Elevators, Sydney, Australia, sends his best wishes to "all the boys" and hopes to be back with us at one of our conventions later on. He visited the terminals of this continent a few years ago.

ISSUE SAFETY DIARY

Clarence W. Turning, Safety Director of the Elevator Superintendents' Association's Safety Contest, has issued a Safety Diary for the guidance of all those interested in accident and injury prevention.

A special supplement appears in the front of the book with timely suggestions for terminal grain elevators, flour mills and grain processing plants.

Mr. Turning reports considerable success in the reduction of accidents on the parts of those who have enlisted in the Superintendents' Society's Safety Drive with only two major accidents to date.

KANSAS CITIAN HOTEL SELECTED

By T. C. Manning, Uhlmann Grain Grain Co.

The Kansas City Chapter Committee on Arrangements has selected the Hotel Kansas Citian as headquarters for our convention and obviously with a large group such as ours reservations **must** be assigned in the order received.

In past years I'm told that a hotel reservation for our convention was never heard of but so far we have over a dozen on record from out of town members.

Rooms are going to be very reasonably priced with the following available: Single; 30 @ \$2.50, 20 @ \$3, 15 @ \$3.50 and 10 @ \$4, — a total of 75. Double there will be 30 @ \$3.50, 25 @ \$4, 20 @ \$4.50 and 15 @ \$6, — a total of 90. Ten parlor and double twin-bed rooms are available at \$10 single and \$12 double.

Your reservation should be sent in to me **today!** State what priced accommodations you want, whether the missus and the children will be with you, and mail it tonight(!) in care of the Wabash Elevator, 14th & Nodoway, North Kansas City, Mo.



Unsafety Clouds

Bulletin Number 4 of the SOGES sponsored Safety Contest points out some items of interest to all Supers, in or out of the contest. In a paragraph titled UNSAFE PRACTICES, Safety Director C. W. Turning states:

Unsafe acts of workers can be detected in three different ways. First, of course, they may be seen. A person familiar with the routine of a particular job and intelligently interested in stopping accidents can observe men at work and note their unsafe performance.

A second way of finding unsafe practices consists in studying the accident record of a particular operation or process. A detailed record of past accidents will quickly reveal the most common kinds of unsafe acts of workers — acts that have already taken their toll in personal injury.

The third method of determining unsafe acts of employees consists in acquiring and making use of actual knowledge concerning the operations of a particular business. Certain accidents occur from unsafe acts that have never before been committed in a plant or that have not been previously reported.

Unsafe physical and mechanical conditions are not responsible for as many accidents as are the unsafe acts of workers, nevertheless, mechanical safe-guarding is the oldest feature (and continues to be an important one) of any accident prevention program. It is concrete evidence of a plant management's interest in safety.



OSCAR COOK ADDRESSES CHAPTER

Oscar Cook, Manager of the Wyandotte Elevator Company, Kansas City, recently addressed the Chapter. He commended the Superintendents for having sponsored a chapter and took a number of application blanks.

We had more real discussion and participation at this meeting than usual and it was voted one of the best we've had.— Secretary Roy L. Browne, Santa Fe Elevator, Davis-Noland-Merrill Grain Company.

HOW *to Keep Your Grain* FREE FROM INFESTATION!

...particularly WEEVIL

The accepted average loss from weevil, etc. runs from 1 to 3%. Yet weevil, moth and other insects, weevil odor, insect heat, hollow berries and lowering of grade — can be done away with — at nominal cost.

WEEVIL—To illustrate the thoroughness of LARVACIDE grain treatment, we quote from two typical reports of average commercial fumigations. The grain treated was soft wheat, moisture content 11-12%.

Insect Count prior to Treatment:	Sample No. 1		Sample No. 2	
	(2-quart samples taken from belt by handfuls every few minutes)	Live Count	(2-quart samples taken from belt by handfuls every few minutes)	Live Count*
	1	2	1	100
	2	3	2	50
	3	0	3	75
	4	1	4	150
	5	4	5	22
	6	6		
	7	0		
	8	50*		

* Necessarily approximate

Insect Count at time of Pulling (2-quart samples taken from belt by handfuls every few minutes)	28 samples drawn		8 samples drawn	
	No live insects found		No live insects found	

Incubation Results on above Samples:	Date		Date	
	Live Count in 28 Samples		Live Count in 8 Samples	
	Nov. 17	0	Nov. 27	0
	Nov. 27	0	Dec. 11	0
	Dec. 11	1	Dec. 26	4
	Dec. 26	0	Jan. 8	0
	Jan. 8	0	Jan. 22	0

Note the weevily condition of these bins, prior to fumigation, particularly in Case 2. This treatment justified the small expense incurred many times over by bringing insect damage to an abrupt halt, and saving the cost of several turns to reduce the temperature below the point where insects are active.

MOTH—LARVACIDE is toxic to moth in every stage, including the egg. Sprinkle or spray surface of standing grain. Detailed instructions in Larvacide Manual. • **TREAT BIN BOTTOMS** — In running grain into bin suspected of infestation, sprinkle up to a quart in the bin bottom with first few bushels of grain stream. • And **SWEEPINGS** — After clean-up put all sweepings into one or two bins and sprinkle with LARVACIDE. This will prevent spread of infestation, also infestation of mixtures made from bins containing sweepings.

ADDED SAFETY for Operators

Because of the inseparable warning quality of LARVACIDE, it is impossible for anyone not protected to remain in concentrations considered dangerous. • Write for further information and literature on Moth and Weevil Control. • Request also our 40 pp. illustrated Manual "SAFER FUMIGATION."

Larvacide

CHLORPICRIN

INNIS, SPEIDEN & COMPANY

Established 1816

117-119 Liberty Street, New York

Boston - Philadelphia - Chicago - Cleveland - Kansas City

Who Was Who In '37

They 'll be at Kansas City, March 27-30

★ Members

— — L — —

- *Gilbert P. Lane, Arcady Farms Milling Co., Chicago;
- *Mr. & Mrs. F. Maynard Losie, Hallet & Carey Co., Minneapolis;
- C. S. Langille, Eastern Terminal Elevator Co., Ltd., Winnipeg;
- *Mr. & Mrs. Wm. D. Loney, Ogilvie Flour Mills Co., Ltd., Ft. William;
- Mr. & Mrs. Paul Larson, Chief Weighmaster & Inspector, Grain Exchange, Sioux City;
- *Mr. & Mrs. A. J. Linfoot, Canada Steamship Lines, Ft. William;
- S. Langley, Amalgamated Electric Co., Toronto;

— — M — —

- *C. R. Medland, Mumford-Medland, Ltd., Winnipeg;
- *Mr. & Mrs. A. J. J. Meyer, McCabe Bros. Grain Co., Ltd., Ft. William;
- R. H. Moore, Grand Trunk Pacific Elevator Co., Ltd., Winnipeg;
- *Mr. & Mrs. M. Montgomery, Ft. William Elevator Co. Ltd., Ft. William;
- R. B. Muir, Storrar Supply Co., Toronto;
- *Clarence S. Maxwell, Manitoba Pool Elevators, Ltd., Ft. William;
- *Grover C. Meyer, Kansas City (Mo.) Power & Light Co.;
- H. C. MacGregor, Federal Grain, Ltd., Winnipeg;
- *G. McFee, Hart-Emerson Co., Winnipeg;
- *Mr. & Mrs. Murdock McKay, United Grain Growers Terminals, Ltd., Ft. William;
- *Mr. & Mrs. James Mackenzie, Three Rivers (Que.) Grain & Elevator Co.;
- *Mr. & Mrs. Frank McCallum, Federal Grain, Ltd., Ft. William;
- *Mr. & Mrs. Frank J. McLean, Parrish & Heimbecker, Ltd., Pt. Arthur;
- Mr. & Mrs. D. McKay, Canadian Consolidated Grain Co. Ltd., Ft. William;
- J. A. McCulloch, Manitoba Bridge & Iron Works, Winnipeg;
- *Mr. & Mrs. Percy McCallum, Saskatchewan Pool Terminals, Ltd., Pt. Arthur;
- *W. D. McIntosh, Union Terminal, Ltd., Pt. Arthur;
- F. N. McLaren, Saskatchewan Pool Terminals, Ltd., Winnipeg;

- *W. J. McDillon, Great Lakes Supply Corp., Chicago;
- C. McLennan, N. M. Paterson & Co., Ltd., Winnipeg;

— — N — —

- *Mr. & Mrs. M. M. Noxon, Ralston-Purina Co., Minneapolis;

— — O — —

- *Mr. & Mrs. Oscar W. Olsen, Peavey Duluth Terminal Co., Duluth;
- *Mr. & Mrs. S. S. Orstad, Federal Grain, Ltd., Ft. William;
- *Mr. & Mrs. Arthur B. Osgood, The Day Co., Minneapolis;

— — P — —

- *Mr. & Mrs. W. T. Piper, R. S. Piper & Sons, Ft. William;
- *Mr. & Mrs. Percy C. Poulton, N. M. Paterson & Co., Ltd., Ft. William;
- *Mr. & Mrs. Carl J. Pauken, Rice Grain Co., Toledo;
- T. B. Pickersgill, Market News, Winnipeg;
- *Mrs. M. Proudlock, Cuthbert Co. Ltd., Winnipeg;
- K. Powell, Hallet-Carey-Swart Co., Ltd., Winnipeg;
- *Mr. & Mrs. Robert B. Pow, Reliance Grain Co., Ltd., Ft. William;
- *Matt Peltó, Globe Elevator Co., Duluth;
- *F. W. Pyett, Saskatchewan Pool Terminals, Ltd., Pt. Arthur;
- *Mr. & Mrs. G. L. Patchin, Appraisal Service Co., Minneapolis;

— — R — —

- *Mr. & Mrs. E. J. Raether, Brooks Elevator Co., Minneapolis;
- E. A. Rudd, Grand Trunk Pacific Elevator Co., Ltd., Winnipeg;
- H. E. Riley, Canadian Consolidated Grain Co., Ltd., Winnipeg;
- *Mr. & Mrs. Joseph M. Ross, Northern Engineering & Supply Co., Ft. William;
- *M. A. Reiman, Hart-Carter Co., Minneapolis;

— — S — —

- *Mr. & Mrs. James A. Speers, Lake Shippers Clearance Association, Ft. William;
- *Mr. & Mrs. E. B. Sutherland, N. M. Paterson & Co., Ltd., Ft. William;
- *G. J. Shaw and Daughter, Canadian Pacific Ry. Elevator, Pt. McNicoll, Ont.;

- *Mr. & Mrs. C. D. Sturtevant, Bartlett-Frazier Co., Chicago;

- *Mr. & Mrs. Fred A. Sibbald, Grand Trunk Pacific Elevator Co., Ltd., Ft. William;

- *Robert M. Sorenson, International Milling Co., New Prague, Minn.;

- *West G. Strutt, Hart-Carter Co., Minneapolis;

- W. Slater, S. A. Swindal, and V. Stubbs, Grand Trunk Pacific Elevator Co., Ltd., Ft. William;

- Mr. & Mrs. W. Selkirk, Canadian Consolidated Grain Co., Ltd., Ft. William;

- *Mr. & Mrs. Christopher T. Snidal, Dunlop Tire & Rubber Co., Pt. Arthur;

- B. A. Snaranberger, Fairbanks-Morse & Co., Minneapolis;

- *Stanley M. Smith, Canadian Westinghouse Co., Ltd., Ft. William;

- Alfred Savage, Manitoba University, Winnipeg;

- *Mr. & Mrs. Charles W. Swingler, Saskatchewan Pool Terminals, Ltd., Pt. Arthur;

- W. F. Sinden, McCabe Bros. Grain Co., Ltd., Winnipeg;

— — T — —

- *Mr. & Mrs. Robert E. Thornes, North Shore Supply Co., Ltd., Ft. William;

- *Clarence W. Turning, Safety Director, Duluth, Minn.;

- *Harry W. Thoms, Stratton Grain Co., Milwaukee;

- *Mr. & Mrs. R. L. Turner, Gutta Percha & Rubber Ltd., Ft. William;

- *Walter H. Teppen, Occident Terminal Division of Russell-Miller Milling Co., Duluth, Minn.;

— — U — —

- D. H. Ure, Carter-Halls-Aldinger Co., Ltd., Winnipeg;

— — V — —

- *H. H. Van Ornum, Hart-Carter Co., Minneapolis;

— — W — —

- *Harold C. Wilber, A. E. Staley Mfg. Co., Decatur, Ill.;

- H. Willett, Federal Grain, Ltd., Ft. William;

- *Mr. & Mrs. Frank H. Willging, Monarch Rubber Co., Minneapolis;

- Mr. & Mrs. T. Walker, Federal Grain, Ltd., Ft. William;

- *Mr. & Mrs. Barney I. Weller, Weller Metal Products Co., Chicago;

- Mr. & Mrs. R. E. Wolvin, Pt. Arthur;
- P. C. Watt, United Grain Growers Terminals, Ltd., Winnipeg;

- *Mr. & Mrs. Arthur M. Woodside, Woodside Brothers, Pt. Arthur, and H. Westman, United Grain Growers Terminals, Ltd., Vancouver. B. C.

NEW MEMBERS

I am happy to report the following new members. — Second Vice President H. P. W. Keir, Wabash Elevator, Bartlett-Frazier Co., Chicago.

334—Thomas S. Cunningham, Manager, National Elevator Co., Ltd., Port Arthur, Ont.;

335—Earnest A. Cuff, Manufacturers' Agent, Port Arthur, Ont.;

336—John F. Bruzek, Sr., New Prague Mill, International Milling Co., New Prague, Minn.;

337—John H. Irwin, Manager, Western Grain Co. Ltd., Fort William, Ont.;

338—J. J. Burns, Canadian Industries, Ltd., Winnipeg, Man.;

339—Herbert B. Dawson, The Bucket Shop, Port Arthur, Ont.;

340—K. S. Miller, Assistant Superintendent, Canadian Pacific Ry. Elevator, Port McNicoll, Ont.;

341—Henry Korn, Superior Elevator, Superior Elevator & Forwarding Co., Buffalo, N. Y.;

342—Albert V. Murray, Dellwood Elevator, Archer-Daniels-Midland Co., Buffalo, N. Y.;

343—Milton B. Wittig, Lake & Rail Elevator, International Milling Co., Buffalo, N. Y.;

344—Conrad Johnson, Butler - Welsh Grain Co., Omaha, Nebr.;

345—Joseph M. Ross, President, Northern Engineering & Supply Co., Fort William, Ont.;

346—W. A. Watt, Marshall-Wells Co. Ltd., Port Arthur, Ont.;

347—T. C. Manning, Wabash Elevator, Uhlmann Grain Co., North Kansas City, Mo.;

348—H. A. Kimberlin, Midland Flour Milling Co., North Kansas City, Mo.;

349—Harley J. Hixson, Continental Grain Co., North Kansas City, Mo.;

350—Clarence R. Swearingen, KCS Elevator, Moore-Seaver Grain Co., Kansas City, Mo.;

351—W. G. Groseclose, CGW Elevator, Kellogg Grain & Elevator Corp., Kansas City, Kan.;

352—Thomas J. Emmert, Wyandotte and Southwestern Milling Co.'s Elevators, Kansas City, Kan.;

353—Charles F. Peterson, Simonds-Shields-Lonsdale Grain Co., Kansas City, Mo.;

354—Harry B. Madison, Rock Island Elevator, Simonds-Shields-Lonsdale Grain Co., Kansas City, Mo.;

355—E. I. Odell, Santa Fe Elevator,

Davis-Noland-Merrill Grain Co., Kansas City, Kan.;

356—Fred W. Gallehugh, Assistant Superintendent, Katy Elevator, Uhlmann Grain Co., Kansas City, Kan.;

357—Roy E. Browne, Davis-Noland-Merrill Grain Co., Kansas City, Kan.;

358—Frank J. McDermott, Norris Grain Co., Kansas City, Mo.;

359—Hugh A. King, Eagle Elevator, Scouler-Bishop Grain Co., Kansas City, Mo.;

360—Guy W. Ferguson, Wabash Elevator, Uhlmann Grain Company, North Kansas City, Mo.;

361—Al Schaezner, Froedtert Grain & Malting Company, Milwaukee;

362—O. T. G. Williamson, Calumet Buckets, Toronto;

363—Robert H. Bowen, Great Lakes Coal & Dock Company, St. Paul;

364—Andrew Turnquist, Great Northern Elevator, Archer - Daniels - Midland Company, Superior;

365—William Leary, Kansas-Missouri Elevator, Farmers National Grain Corporation, Kansas City;

366—Frank A. Wilson, Burlington Elevator, Norris Grain Company, Kansas City;

367—L. C. Irwin, Searle Terminal Limited, Fort William;

368—M. Montgomery, Fort William Terminal, Fort William;

369—A. Linfoot, Canada Steamship Lines, Fort William;

370—Howard Gunnison, American Elevator, Russell-Miller Milling Company, Buffalo;

371—E. deB. Everett, C. G. W. Elevator, Kellogg Grain & Elevator Corporation, Kansas City;

372—Claude L. Darbe, Rock Island Elevator, Simonds-Shields-Lonsdale Grain Co., Kansas City;

373—John C. McNulty, Grain Door Reclamation & Cooperage Bureau, Minneapolis;

374—Arnold Myers, Interstate Elevator, Cleveland Grain Company, Chicago;

375—Charles Gemlo, Strong-Scott Mfg. Co., Minneapolis;

376—C. H. Kenser, Buyer and Superintendent, Burlington Elevator, Omar Mills, Inc., Omaha;

377—C. W. Talmon, Foreman, Burlington Elevator, Omar Mills, Inc., Omaha;

378—T. D. Reagin, U. S. Rubber Co., Kansas City;

379—William H. Kamp, Ralston Purina Company, Kansas City;

380—Alex Ross, National Harbours Board Elevator, Halifax, Nova Scotia;

381—H. D. Hart, Victor L. Phillips Co., Kansas City;

382—Wilber S. Holte, Milwaukee Ele-

vator, Simonds - Shields - Lonsdale Grain Company, Kansas City;

383—James L. Brown, Monarch Elevator, Larabee Flour Milling Company, North Kansas City;

384—H. H. Arendall, Innis Speiden & Co., Kansas City.



RE-INSTATEMENTS PAST QUARTER

114—Roy F. Harp, Alton Elevator, Wolcott & Lincoln, Inc., Kansas City, Kan.;

51—Camden W. Riley, Hart-Bartlett-Sturtevant Grain Co., Kansas City, Kan.

57—Charles F. Walker, Bartlett-Frazier Company, Omaha;

162—William T. Husband, E. R. Bacon Grain Company, Chicago;

152—W. J. Phelan, Bartlett-Frazier Company, Indiana Harbor, Indiana;

21—Oscar J. Knoebel, Stratton Grain Company, Springfield, Ohio;



PREVIOUS OMISSIONS

The following welcome "Associate" Members were omitted previously, but here they are now:

276—Arthur C. Leighton, Kunz Oil Co., Minneapolis;

277—James M. Russell, Midwest Electric Co., Minneapolis;

279—R. L. Gardner, Fiske Bros. Refining Co., Winnetka, Ill.;

281—Lysle B. Feldman, R. R. Howell & Co., Minneapolis;

282—Milton E. Crosby, The Nicholson Co., Chicago;

284—J. B. Bladholm, Republic Equipment & Steel Co., East Chicago, Ind.;

285—Albert J. Hazel, Jr., B. F. Gump Co., Chicago;

291—Benj. H. Joslin, A. C. Beck Boiler Compound Co., Minneapolis;

298—Frank H. Willging, Monarch Rubber Co., Minneapolis;

299—B. R. Wood, Master Builders Co., Cleveland, O.;

DROLSHAGEN DIES

Peter Drolshagen, well known waterproofer of Chicago and for years an Associate Member of the SOGES, died unexpectedly several weeks ago.



LEADERS

LEADERS in the grain business prefer to have their elevator designing and building placed in the hands of the leading specialist in such matters. For that reason and because of past satisfactory performance, our clients repeatedly come back to us for new work.

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